

## CFE Publications and Presentations

- **Journal Publications**

- Chen, Y., Weislogel, M. M. & Nardin, C., “Capillary-driven flows along rounded interior corners,” *J. Fluid Mech.* 566(2006), 235-271.

- **Published Presentations**

- M. Weislogel, R. Jenson, J. Klatte, M. Dreyer, “Interim Results from the Capillary Flow Experiment Aboard ISS: The Moving Contact Line Boundary Condition.” AIAA-2007-747, 45th AIAA Aerospace Sci. Meeting and Exhibit, Reno, Nevada, Jan. 8-11, 2007.
- Y. Chen, D. Bolleddula, M. Weislogel, “Capillary Flow in Cylindrical Containers with Rounded Interior Corners,” AIAA-2007-167, 45th AIAA Aerospace Sci. Meeting and Exhibit, Reno, Nevada, Jan. 8-11, 2007.
- M. Weislogel, R. Jenson, D. Bolleddula, “Capillary Driven Flows in Weakly 3-Dimensional Polygonal Containers,” AIAA-2007-748, 45th AIAA Aerospace Sci. Meeting and Exhibit, Reno, Nevada, Jan. 8-11, 2007.
- M.M. Weislogel, R. Jenson, Y. Chen, S.H. Collicott, J. Klatte, and M. Dreyer, “The Capillary Flow Experiments Aboard the International Space Station: Status,” paper IAC-07-A2.6.02, 58th International Astronautical Congress-2007, Hyderabad, India, Sept 24-28.
- M.M. Weislogel, R.M. Jenson, Y. Chen, S.H. Collicott, and S. Williams, “Geometry Pumping on Spacecraft: The CFE-Vane Gap Experiments on ISS,” 3rd International Symposium on Physical Sciences in Space (ISPS) 2007, Abstracts A11-2, pp. 443-444, Nara Japan, Oct. 22-26. (submitted for publication in the Japan Society of Microgravity Application Journal, JASMA)

- **Other Presentations**

- Y. Chen, D. Bolleddula, R. Jenson, M. Weislogel, J. Klatte, “A Novel Method to Measure Contact Angle,” 59th Ann. Mtg. of the APS Div. of Fluid Dynamics, Nov. 19–21, 2006; Tampa Bay, Florida, 2006.
- D. Bolleddula, M. Weislogel, “Flow resistance computation for a non-wetting fluid in an interior corner,” 59th Ann. Mtg. of the APS Div. of Fluid Dynamics, Nov. 19–21, 2006; Tampa Bay, Florida, 2006.
- R. Jenson, Y. Chen, M. Weislogel, “Capillary flow in weakly 3-dimensional conduits,” 59th Ann. Mtg. of the APS Div. of Fluid Dynamics, Nov. 19–21, 2006, Tampa Bay, Florida, 2006.

- (invited) M.M. Weislogel, “Capillary Macrofluidics for Passive Fluids Management on Spacecraft,” Engineering Sciences for Space Exploration, Gordon Research Conference, Les Diablerets, Switzerland, Aug 21-26, 2005.